

1 IN THE CLAIMS:

2
3
4 Please cancel Claims 3 and 6.

5
6
7 Please amend the claims according to the status of
8 designations in the following list, which contains all claims
9 that were ever in the application, and with the text of all
10 claims repeated below.

11
12
13 Claim 1 (Previously presented). A flowline for producing
14 hydrocarbons from a subsea well that is comprised of a
15 substantially neutrally buoyant tubular composite umbilical
16 means which passes over a canyon in the ocean bottom that
17 possesses electrical heating means within the tubular walls
18 of said tubular composite umbilical means to prevent waxes
19 and hydrates from forming within said flowline and blocking
20 said flowline, whereby said electrical heating means is
21 comprised of at least one electrical conductor disposed
22 within said tubular walls of said composite umbilical means
23 that conducts electrical current that is used to heat said
24 tubular composite umbilical means, whereby said tubular
25 composite umbilical means that contains any produced
26 hydrocarbons is substantially neutrally buoyant in the sea
27 water adjacent to said subsea well, and whereby said
28 substantially neutrally buoyant tubular composite umbilical
29 means is anchored to the sea at a first location on a first
30 side of said canyon and is anchored to the sea bottom at a
31 second location on a second side of said canyon, whereby said
32 first and second locations are on opposite sides of said
33 canyon, and whereby a portion of said neutrally buoyant

"RESPONSE TO OFFICE ACTION
MAILED 4/6/2007 AND AMENDMENT"
Serial No. 10/800,443
Rig-3

- 4 -

1 tubular composite umbilical between said first and second
2 locations passes over said canyon in said ocean bottom.
3
4

5 Claim 2 (Previously presented). A method of using a
6 flowline for producing hydrocarbons from a subsea well that
7 is comprised of a substantially neutrally buoyant tubular
8 composite umbilical means which passes over a canyon in the
9 ocean bottom that possesses electrical heating means within
10 the tubular walls of said tubular composite umbilical means
11 to prevent waxes and hydrates from forming within said
12 flowline and blocking said flowline, whereby said electrical
13 heating means is comprised of at least one electrical
14 conductor disposed within said tubular walls of said
15 composite umbilical means that conducts electrical current
16 that is used to heat said tubular composite umbilical means,
17 whereby said tubular composite umbilical means that contains
18 any produced hydrocarbons is substantially neutrally buoyant
19 in the sea water adjacent to said subsea well, and whereby
20 said substantially neutrally buoyant tubular composite
21 umbilical means is anchored to the sea bottom at a first
22 location on a first side of said canyon and is anchored to
23 the sea bottom at a second location on a second side of said
24 canyon, whereby said first and second locations are on
25 opposite sides of said canyon, and whereby a portion of said
26 neutrally buoyant tubular composite umbilical between said
27 first and second locations passes over said canyon in said
28 ocean bottom.
29
30

31 Claim 3 (Canceled). A flowline for producing hydrocarbons
32 through which said hydrocarbons flow from a subsea well that
33 is comprised of a substantially neutrally buoyant tubular

"RESPONSE TO OFFICE ACTION
MAILED 4/6/2007 AND AMENDMENT"
Serial No. 10/800,443
Rig-3

1 composite umbilical means which passes over a canyon in the
2 ocean bottom, whereby said tubular composite umbilical means
3 that contains any produced hydrocarbons is substantially
4 neutrally buoyant in the sea water adjacent to said subsea
5 well, and whereby said substantially neutrally buoyant
6 tubular composite umbilical means is anchored to the sea
7 bottom at a first location on a first side of said canyon
8 and is anchored to the sea bottom at a second location on a
9 second side of said canyon, whereby said first and second
10 locations are on opposite sides of said canyon, and whereby a
11 portion of said neutrally buoyant tubular composite umbilical
12 between said first and second locations passes over said
13 canyon in said ocean bottom.
14
15

16 Claim 4 (Previously presented). A flowline for producing
17 hydrocarbons from a subsea well that is comprised of a
18 positively buoyant tubular composite umbilical means
19 which passes over a canyon in the ocean bottom that possesses
20 electrical heating means within the tubular walls of said
21 tubular composite umbilical means to prevent waxes and
22 hydrates from forming within said flowline and blocking said
23 flowline, whereby said electrical heating means is comprised
24 of at least one electrical conductor disposed within said
25 tubular walls of said composite umbilical means that conducts
26 electrical current that is used to heat said tubular
27 composite umbilical means, whereby said tubular composite
28 umbilical means that contains any produced hydrocarbons is
29 positively buoyant in the sea water adjacent to said subsea
30 well, and whereby said positively buoyant tubular composite
31 umbilical means is anchored to the sea bottom at a first
32 location on a first side of said canyon and is anchored to
33 the sea bottom at a second location on a second side of said

"RESPONSE TO OFFICE ACTION
MAILED 4/6/2007 AND AMENDMENT"
Serial No. 10/800,443
Rig-3

1 canyon, whereby said first and second locations are on
2 opposite sides of said canyon, and whereby a portion of said
3 neutrally buoyant tubular composite umbilical between said
4 first and second locations passes over said canyon in said
5 ocean bottom.
6
7

8 Claim 5 (Previously presented). A method of using a
9 flowline for producing hydrocarbons from a subsea well that
10 is comprised of a positively buoyant tubular composite
11 umbilical means which passes over a canyon in the ocean
12 bottom that possesses electrical heating means within the
13 tubular walls of said tubular composite umbilical means to
14 prevent waxes and hydrates from forming within said flowline
15 and blocking said flowline, whereby said electrical heating
16 means is comprised of at least one electrical conductor
17 disposed within said tubular walls of said composite
18 umbilical means that conducts electrical current that is used
19 to heat said tubular composite umbilical means, and whereby
20 said tubular composite umbilical means that contains any
21 produced hydrocarbons is positively buoyant in the sea water
22 adjacent to said subsea well, and whereby said positively
23 buoyant tubular composite umbilical means is anchored to the
24 sea bottom at a first location on a first side of said canyon
25 and is anchored to the sea bottom at a second location on a
26 second side of said canyon, whereby said first and second
27 locations are on opposite sides of said canyon, and whereby a
28 portion of said neutrally buoyant tubular composite umbilical
29 between said first and second locations passes over said
30 canyon in said ocean bottom.
31
32
33

"RESPONSE TO OFFICE ACTION
MAILED 4/6/2007 AND AMENDMENT"
Serial No. 10/800,443
Rig-3

- 7 -

1 Claim 6 (Canceled). A flowline for producing hydrocarbons
2 through which said hydrocarbons flow from a subsea well that
3 is comprised of a positively buoyant tubular composite
4 umbilical means which passes over a canyon in the ocean
5 bottom, whereby said tubular composite umbilical means that
6 contains any produced hydrocarbons is positively buoyant in
7 the sea water adjacent to said subsea well, and whereby said
8 positively buoyant tubular composite umbilical means is
9 anchored to the sea bottom at a first location on a first
10 side of said canyon and is anchored to the sea bottom at a
11 second location on a second side of said canyon, whereby said
12 first and second locations are on opposite sides of said
13 canyon, and whereby a portion of said neutrally buoyant
14 tubular composite umbilical between said first and second
15 locations passes over said canyon in said ocean bottom.

16
17
18
19
20
21
22
23
24
25
26
27
28
29
30
31
32
33

"RESPONSE TO OFFICE ACTION
MAILED 4/6/2007 AND AMENDMENT"
Serial No. 10/800,443
Rig-3

- 8 -